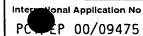
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/22	f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.	
0099452-wsgs	ACTION	25) as well as, where applicable, lieff 5 below.	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/EP 00/09475	28/09/2000	04/10/1999	
Applicant			
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MERCK PATENT GMBH et al.	•		
	n prepared by this International Searching Auth	nority and is transmitted to the applicant	
according to Article 18. A copy is being tra	ansmitted to the International Bureau.		
This International Search Report consists	of a total of Sheets.		
It is also accompanied by	a copy of each prior art document cited in this	report.	
Basis of the report		*	
With regard to the language, the language in which it was filed, unline	international search was carried out on the bas ess otherwise indicated under this item.	sis of the international application in the	
the international search w Authority (Rule 23.1(b)).	ras carried out on the basis of a translation of the	he international application furnished to this	
was carried out on the basis of the	e sequence listing:	sternational application, the international search	
55	onal application in written form.	·	
	ernational application in computer readable form this Authority in written form.		
	this Authority in computer readble form.		
	osequently furnished written sequence listing dus filed has been furnished.	oes not go beyond the disclosure in the	
the statement that the info	ormation recorded in computer readable form is	s identical to the written sequence listing has been	
2. Certain claims were fou	nd unsearchable (See Box I).		
3. Unity of invention is lac	king (see Box II).		
4. With regard to the title,			
the text is approved as su	ubmitted by the applicant.		
the text has been establis	shed by this Authority to read as follows:		
5. With regard to the abstract,			
the text has been established	ubmitted by the applicant. shed, according to Rule 38.2(b), by this Authori		
within one month from the	e date of mailing of this international search rep		
6. The figure of the <b>drawings</b> to be pub		TY None of the Source	
as suggested by the applicant fair	•	X None of the figures.	
	r characterizes the invention.		



C12Q1/68

C07K16/18

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/12 C12N15/62

C07K14/47

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C12N C07K C12Q G01N IPC 7

G01N33/50

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

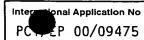
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, CAB Data, STRAND, BIOSIS, EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 00 78947 A (MERCK PATENT GMBH ;FISCHER VIOLA (DE); DEN DAAS IZAAK (DE); SEYFRI) 28 December 2000 (2000-12-28) SEQ ID No.1 and 2; claims 1-11	1,4,6-10
Ρ,Χ	WO 00 29580 A (INCYTE PHARMA INC ;CORLEY NEIL C (US); GORGONE GINA A (US); GUEGLE) 25 May 2000 (2000-05-25) SEQ ID No.2; claims 1-20	1,4,6-9

X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
Special categories of cited documents:      'A' document defining the general state of the art which is not considered to be of particular relevance      'E' earlier document but published on or after the international filling date      'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      'O' document referring to an oral disclosure, use, exhibition or other means      'P' document published prior to the international filling date but later than the priority date claimed	<ul> <li>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;* document member of the same patent family</li> </ul>
Date of the actual completion of the international search  15 February 2001	Date of mailing of the international search report  21/02/2001
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Hornig, H

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Category °,	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages		Delivers to state No.
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х	MIYAMOTO H ET AL: "MOLECULAR CLONING OF A NOVEL MRNA SEQUENCE EXPRESSED IN CLEAVAGE STAGE MOUSE EMBRYOS" MOLECULAR REPRODUCTION AND DEVELOPMENT,US,NEW YORK, NY, vol. 34, no. 1, January 1993 (1993-01), pages 1-7, XP000892775 cited in the application figure 4		1,4,6-9
A	WO 99 00500 A (INCYTE PHARMA INC ;CORLEY NEIL C (US); BANDMAN OLGA (US); SHAH PUR) 7 January 1999 (1999-01-07) the whole document 		
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